

# ***BookletChart™***

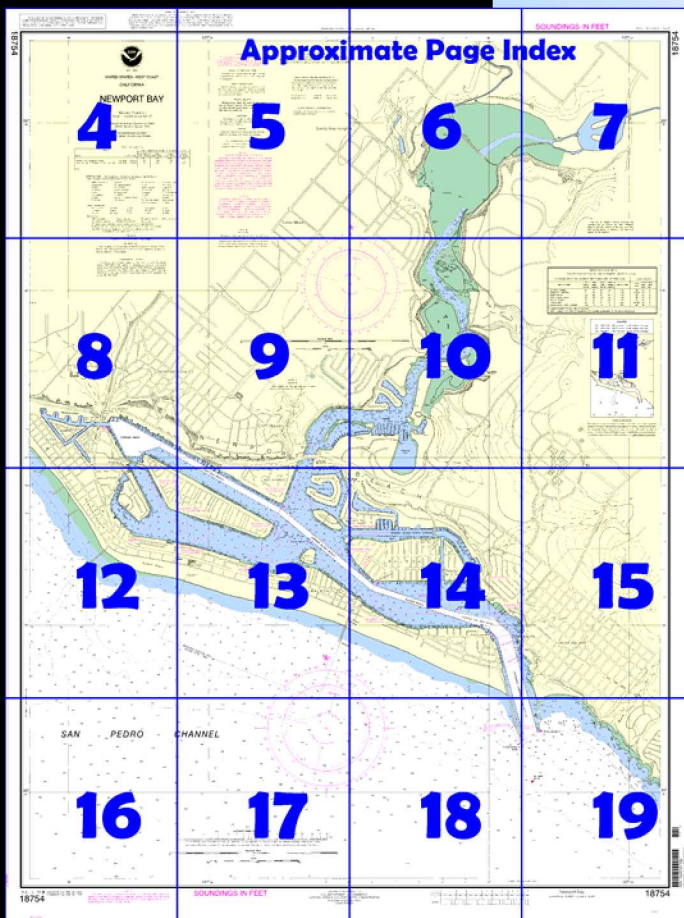
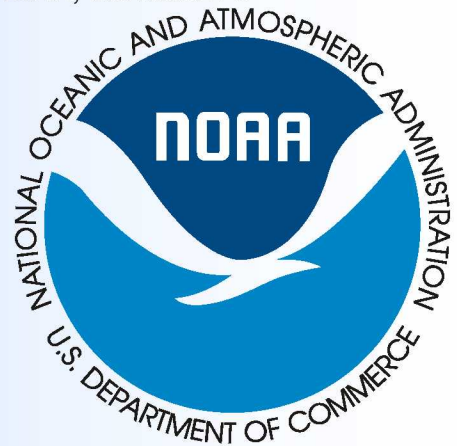
## ***Newport Bay***

(NOAA Chart 18754)



A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ✓ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ✓ Convenient size
- ✓ Up to date with all Notices to Mariners
- ✓ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.



***Home Edition (not for sale)***



### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart™?

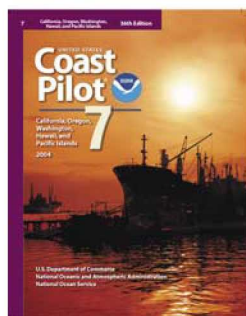
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



#### **[Coast Pilot 7, Chapter 4 excerpts]**

(158) **Newport Bay**, 64 miles NW of Point Loma, is an extensive lagoon bordered on the seaward side by a 3-mile sandspit. The bay is an important yachting and sport fishing center, and offers excellent anchorage for large yachts and small craft under all weather conditions. The city of **Newport Beach** embraces the districts of **Newport** and **Balboa**, on the sandspit, and **Corona Del Mar**, E of the entrance.

(159) The numerous houses and buildings along the beach and on the hills back of the bay are prominent from seaward. The tall office buildings at the Newport Center, 1.4 miles N of the harbor entrance, are the most conspicuous. The memorial hospital building, 0.3 mile N of the turning basin, and the light-colored concrete school buildings and tall tower on the high ground 1 mile back from the beach are also conspicuous.

(160) The entrance to Newport Bay is between jetties 275 yards apart with lights at their outer ends. A fog signal is at the W jetty light. The fog signal can be activated upon request to the Coast Guard by radiotelephone VHF-FM channel 16. A lighted bell buoy is off the entrance.

(161) A **111°37'–291°37' measured nautical mile** is in San Pedro Channel, about 1.3 miles W of the entrance to Newport Bay. The E range is marked in front by a daymark on an 800-foot pleasure pier and in the rear by a daymark on shore at Balboa Beach. The W range is marked by daymarks on shore at Newport Beach. Another 950-foot pleasure pier is 2.8 miles NW of the W jetty.

(165) A **speed limit** of 5 m.p.h. in Newport Bay has been established by the Orange County Harbors, Beaches, and Park District. The upper reaches of the bay are extremely shoal and have been closed by the Health Department because of contamination.

(166) In January 1986, a sunken wreck was reported in the channel about 300 yards S of the U.S. Coast Guard pier in about 33°36'N., 117°53'W. Bridges

(167) There are no bridges over the main channel. None of the bridges to the islands in the bay restrict passage to the anchorage areas.

#### **Tides**

(168) The mean range of tide is 3.7 feet at Newport Bay entrance, and the diurnal range of tide is 5.4 feet.

#### **Weather, Newport Bay**

(169) Severe storms are rare. The Santa Ana is an exceptional wind that blows from the NE or E with great violence, although of short duration. (See Weather, Los Angeles, indexed as such, this chapter for discussion of Santa Ana winds.) Harbor regulations

(170) The Orange County Harbors, Beaches, and Parks District controls the movement and berthing of vessels under the direction of a harbor master, who has an office on the E side of the bay about 0.8 miles from the entrance. Patrol and assistance craft operate from the harbor office on a 24-hour basis. The harbor office may be contacted by telephone 714-723-1002 or VHF-FM channels 12 and 16. The patrol boats monitor VHF-FM channel 16.

#### **Coast Guard**

(171) A search and rescue craft of the U.S. Coast Guard is stationed at the pier adjacent to the Harbor District Headquarters.

(172) The numerous small wharves and landings in the bay are mostly for the use of local yachts and fishing craft. Five berths and several offshore moorings are available for transient craft at the Harbor District Headquarters pier. The harbor master must be consulted before mooring. Five other transient berths are usually available at a marina at the NW end of the turning basin.

#### **Supplies**

(173) Fuel, water, and marine supplies are available at most of the facilities in the bay.

#### **Repairs**

(174) The largest marine railway in Newport Bay has a capacity of 325 tons and can handle craft up to 150 feet. Machine shops are available. Several shipyards can haul out small boats for general repairs.

# Table of Selected Chart Notes

Corrected through NM Jul 05/03  
Corrected through LNM Jun 17/03

## SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

## HEIGHTS

Heights in feet above Mean High Water

to navigation.

## RADAR REFLECTORS

Radar reflectors have been placed on many

sanitation device (MSD) that are navigating, moored, or docked within a NDZ must have the MSD removed to prevent the overboard discharge of sewage (untreated) or install a holding tank. Regulate

## NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140. Under the Clean Water Act, Section 312, all vessels discharging within a No-Discharge Zone (NDZ) are prohibited.

Mariners and Light List.

## CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See local Notices to Mariners.

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

## SUPPLEMENTAL INFORMATION

## NOTE D CAUTION

Area subject to frequent change. Charted depths from surveys of 1974-1977.

## NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Los Angeles, Calif. KWO-37 162.55 MHz  
Santa Ana, Calif. WWG-21 162.45 MHz

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

## AIDS TO NAVIGATION

## Note B CAUTION

No person shall operate, drive or navigate any vessel powered by an engine through the channel lying between Bay Island and the Peninsula from June 1st through September 15th of each year. Newport Beach Municipal Code, Section 10158.1.

Requirements may be obtained from the Environmental Protection Agency (EPA) web site: [http://www.epa.gov/vow/oceans/regulatory/vessel\\_sewage/](http://www.epa.gov/vow/oceans/regulatory/vessel_sewage/).

## NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 11th Coast Guard District.

## POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

## AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

## SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

## HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected on an average of 0.071" northward and 3.202" westward to agree with this chart.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

## ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IO interrupted quick	N nun	Rot rotating
B black	Isb isophase	OBSC obscured	s seconds
Bn beacon	LI HO lighthouse	OC occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Bds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.			
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.			
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.			
Demarcation lines are shown thus: - - - - -			

## PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

## NEWPORT BAY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2009

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
ENTRANCE CHANNEL	22.0	20.2	17.8	6.5	6-09	500	0.6	20
CORONA DEL MAR BEND	21.9	22.1	21.7	14.0	6-09	200-500	0.3	20
BALBOA REACH	16.5	15.0	14.5	12.4	6-09	200	0.5	20
HARBOR ISLAND REACH	16.7	16.1	14.0	12.1	6-09	200	0.7	20
LIDO ISLE REACH	14.4	15.3	15.1	12.1	6-09	200	0.8	20
TURNING BASIN	17.5	16.3	18.6	17.2	6-09	200-1000	0.3	20
BALBOA ISLAND, NORTH CHANNEL	7.7	8.1	8.4	7.0	6-09	200	0.9	10
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

## TIDAL INFORMATION

Place	Name	(LAT/LONG)	Height referred to datum of soundings (MLLW)			
			Mean High Water	Mean High Water	Mean Low Water	Extreme Low Water
Balboa Pier, Newport Beach		(33°36'N/117°54'W)	feet	feet	feet	feet
Newport Bay Entrance, Corona del Mar		(33°36'N/117°53'W)	5.3	4.6	0.9	-2.5
			5.4	4.6	0.9	-2.5

(603)

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PRINT-ON-DEMAND CHARTS  
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UNITED STATES - WEST COAST  
CALIFORNIA

NEWPORT BAY

Mercator Projection  
Scale 1:10,000 at Lat 33° 37'

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean High Water	Mean Low Water	Mean Low Water	Extreme Low Water
Balboa Pier, Newport Beach (33°36'N/117°54'W)	5.3 feet	4.6 feet	0.9 feet	-2.5 feet
Newport Bay Entrance, Corona del Mar (33°36'N/117°53'W)	5.4 feet	4.6 feet	0.9 feet	-2.5 feet

(603)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo Morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rt rotating
B black	Is isophase	OBSC obscured	s sponsons
Bn beacon	LT HO lighthouse	OC occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Bds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.

(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

COLREGS International Regulations for Preventing Collisions at Sea, 1972.

Demonstration lines are shown thus: - - - - -

HEIGHTS

Heights in feet above Mean High Water

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.071" northward and 3.202" westward to agree with this chart.

WARNING

The prudent mariner will on any single aid to navigation on floating aids. See U.S. Coast List and U.S. Coast Pilot for

AIDS TO NAVIGATION

Consult U.S. Coast Guard supplemental information to navigation.

RADAR REFLECTOR

Radar reflectors have been placed on floating aids to navigation. In reflector identification on these omitted from this chart.

RACING BUOYS

Racing buoys within the limit are not shown hereon. For local description see the Coast Guard Light List.

CAUTION

Temporary changes or defects in navigation are not indicated on this chart. Local Notice to Mariners.

CAUTION

Improved channels shown by blue subject to shoaling, particularly at

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for supplemental information.

NOTE 2

NO-DISCHARGE ZONE, 4  
Under the Clean Water Act, Section 311, it is prohibited to discharge any untreated, into the waters. All vessels must have a marine sanitation device (MSD) that is anchored, or docked within a NDZ (treated or untreated) or install a hold for the NDZ are contained in this Additional information concerning requirements may be obtained from Protection Agency (EPA) web site: [owow/oceans/regulatory/vessel\\_sew](http://owow/oceans/regulatory/vessel_sew)

NOTE A

Navigation regulations are published in U.S. Coast Pilot 7. Additions or changes are published in the Notices to Mariners. For regulations concerning the regulations, may Office of the Commander, 11th Coast Long Beach, Calif., or at the Office Engineer, Corps of Engineers in Long Beach, Calif.  
Refer to charted regulation section

NOTE B

CAUTION

No person shall operate, drive, or power a vessel powered by an engine that is lying between Bay Island and the June 1st through September 1st Newport Beach Municipal Code

Joins page 8

Printed at reduced scale.

SCALE 1:10,000  
Nautical Miles

See Note on page 5.

Yards

200 0 200 400 600 800 1000 1200

4

North

drive or navigate any  
through the channel  
the Peninsula from  
15th of each year  
de, Section 10158.1.

## Costa Mesa

This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:13333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

7° 55'

10° 54' 50' 40' 30' 20'

### WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

### AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

### RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

### RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. For location and description see the Coast Guard Local Notices to Mariners and Light List.

### CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

### CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

### SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

### NOTE 2

#### NO-DISCHARGE ZONE, 40 CFR 140

Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: [http://www.epa.gov/owow/oceans/regulatory/vessel\\_sewage/](http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/).

### NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 11th Coast Guard District in Long Beach, Calif., or at the Office of the District Engineer, Corps of Engineers in Los Angeles, Calif. Refer to charted regulation section numbers.

### Note B

#### CAUTION

No person shall operate, drive or navigate any vessel powered by an engine through the channel lying between Bay Island and the Peninsula from June 1st through September 15th of each year. Newport Beach Municipal Code, Section 10158.1.

### POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

### NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Los Angeles, Calif.	KWO-37	162.55 MHz
Santa Ana, Calif.	WWG-21	162.45 MHz

### SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

Santa Ana Heights

Costa Mesa

Joins page 10

Joins page 5

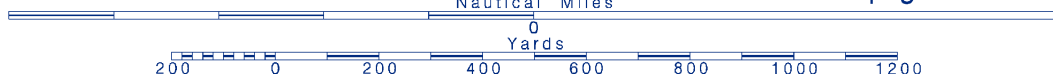
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Printed at reduced scale.

SCALE 1:10,000

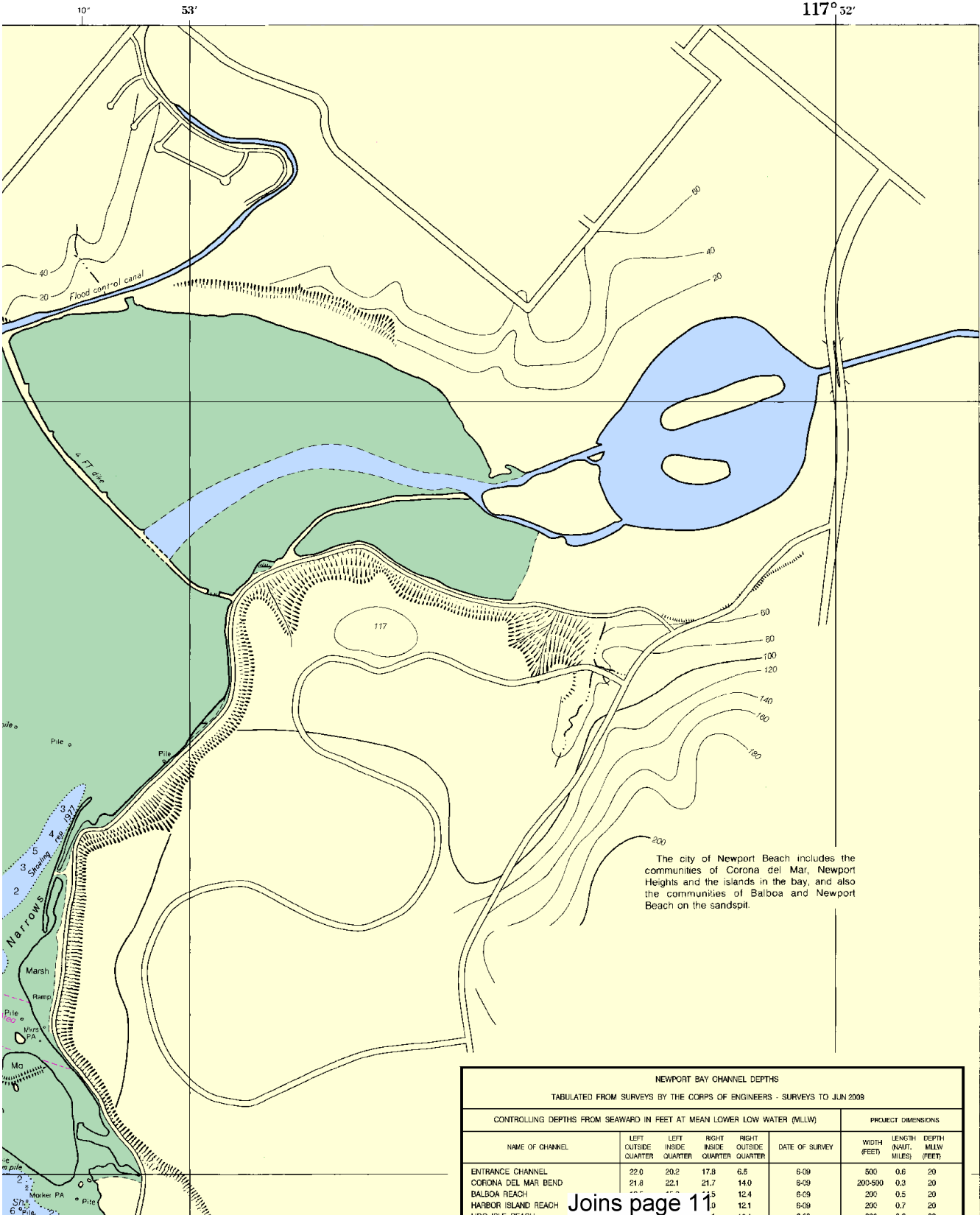
See Note on page 5.



SOUNDINGS IN FEET

Nautical Chart Catalog No. 2, Panel R

18754



Joins page 11

This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0510 2/2/2010,  
NGA Weekly Notice to Mariners: 0910 2/27/2010,  
Canadian Coast Guard Notice to Mariners: n/a .

AUTH Joins page 4  
 ED ex Joins page 4  
 (2) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.  
 (2) Rocks that cover and uncover, with heights in feet above datum of soundings.  
 COLREGS International Regulations for Preventing Collisions at Sea, 1972.  
 Demarcation lines are shown thus:

HEIGHTS  
 Heights in feet above Mean High Water

AUTHORITIES  
 Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

HORIZONTAL DATUM  
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Note B  
 CAUTION

No person shall operate, drive, or power a vessel between Bay Island and the mainland from June 1st through September 1st.  
 Newport Beach Municipal Code



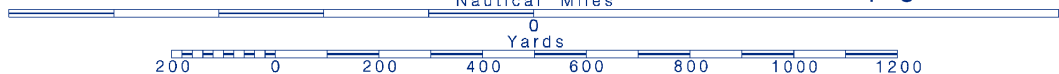
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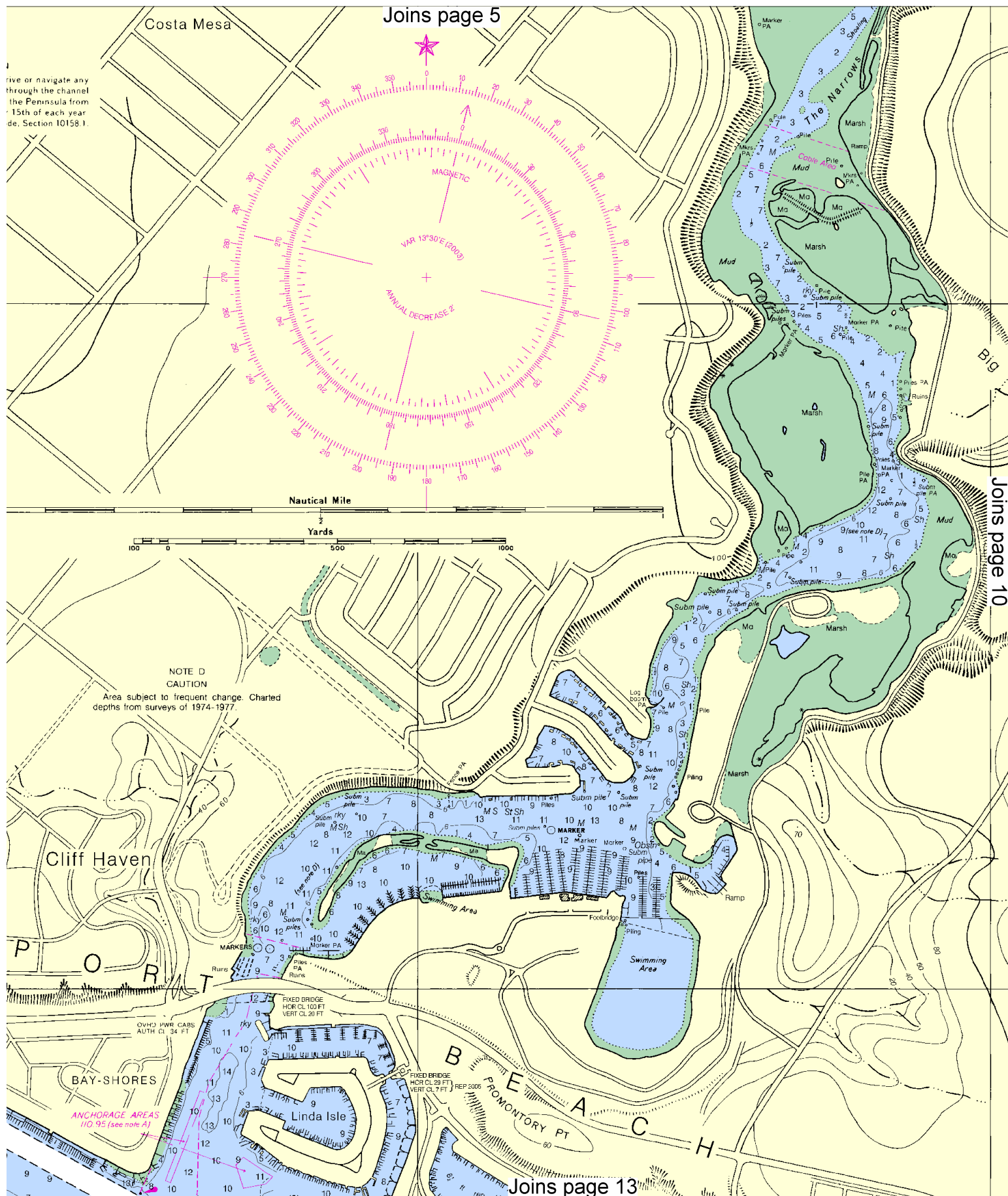
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SCALE 1:10,000

See Note on page 5.

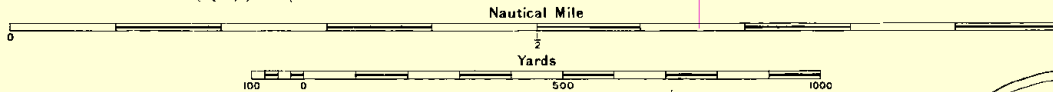
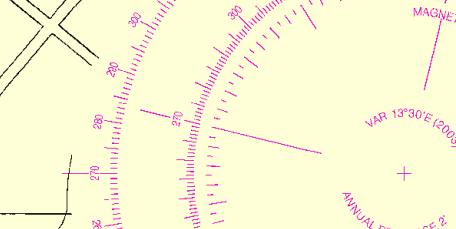


drive or navigate any  
through the channel  
the Peninsula from  
15th of each year  
de, Section 10158.1.



**Note B  
CAUTION**

No person shall operate, drive or navigate any vessel powered by an engine through the channel lying between Bay Island and the Peninsula from June 1st through September 15th of each year Newport Beach Municipal Code, Section 10158.1.



**NOTE D  
CAUTION**

Area subject to frequent change. Charted depths from surveys of 1974-1977.

Cliff Haven

E W P O R T

BAY-SHORES

ANCHORAGE AREAS  
(110 95 (see note A))

Linda Isle

FIXED BRIDGE  
HOR CL 100 FT  
VERT CL 20 FT

FIXED BRIDGE  
HOR CL 29 FT  
VERT CL 7 FT  
REP 2005

PROMONTORY PT

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Joins page 9

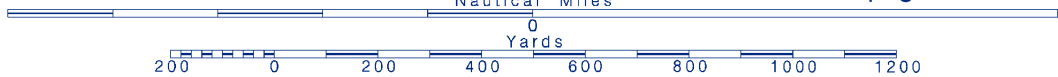
10



Printed at reduced scale.

SCALE 1:10,000

See Note on page 5.

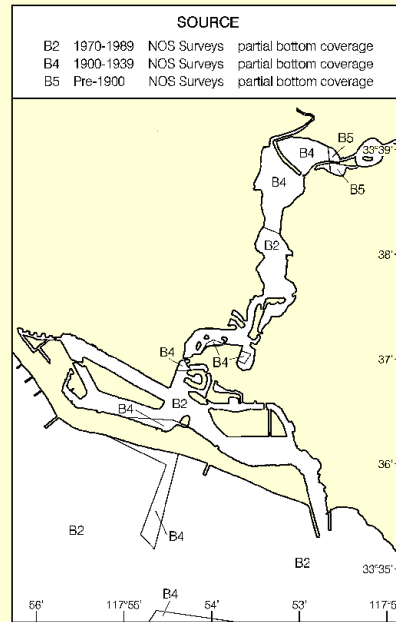


Joins page 7

The city of Newport Beach includes the communities of Corona del Mar, Newport Heights and the islands in the bay, and also the communities of Balboa and Newport Beach on the sandspit.

NEWPORT BAY CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2009						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET)
ENTRANCE CHANNEL	22.0	20.2	17.8	6.5	6-09	500 0.6 20
CORONA DEL MAR BEND	21.6	22.1	21.7	14.0	6-09	200-500 0.3 20
BALBOA REACH	16.5	15.0	14.5	12.4	6-09	200 0.5 20
HARBOR ISLAND REACH	16.7	16.1	14.0	12.1	6-09	200 0.7 20
LIDO ISLE REACH	14.4	15.3	15.1	12.1	6-09	200 0.8 20
TURNING BASIN	17.5	16.3	18.6	17.2	6-09	200-1000 0.3 20
BALBOA ISLAND, NORTH CHANNEL	7.7	8.1	8.4	7.0	6-09	200 0.8 10

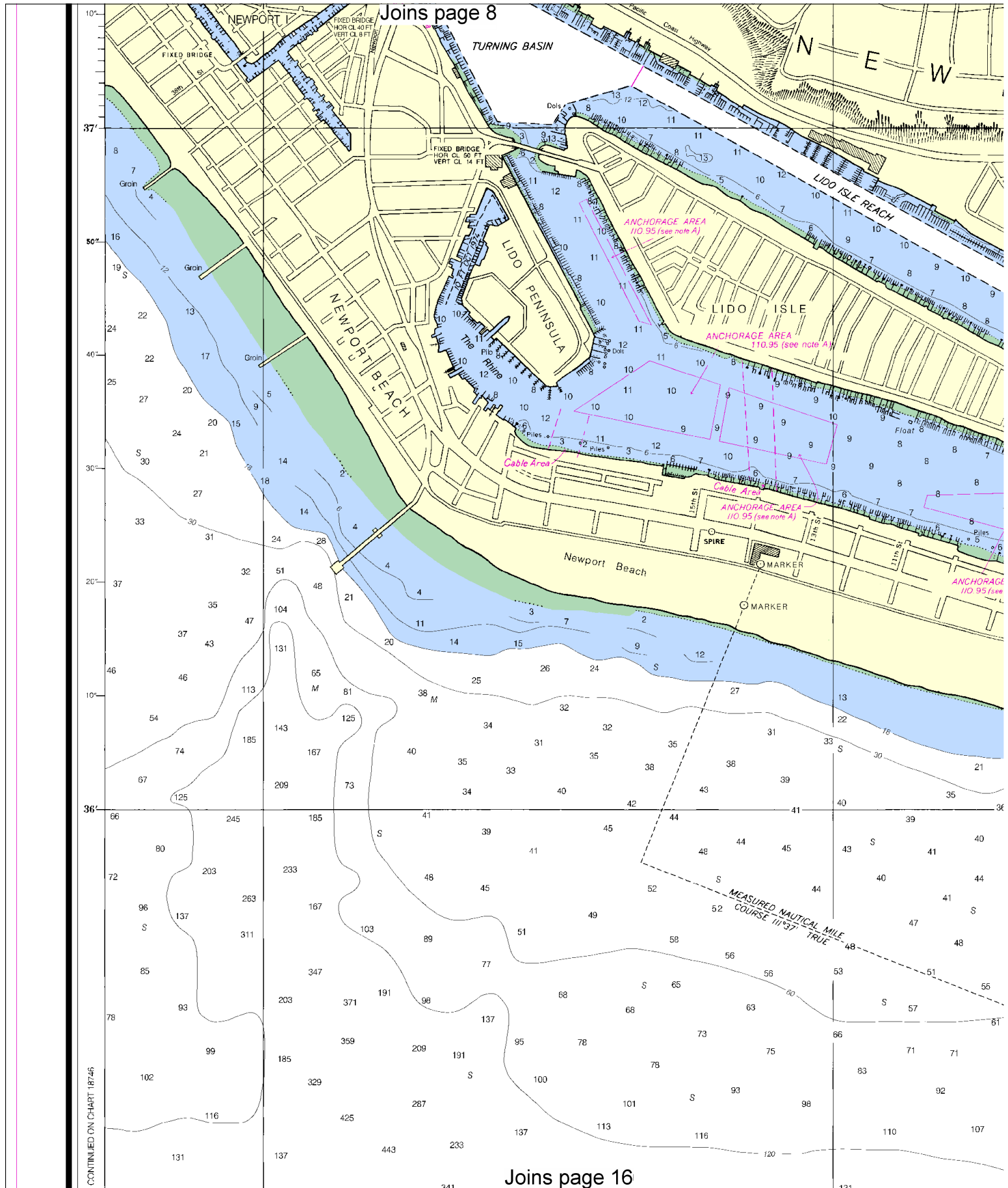
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION



SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

Joins page 15



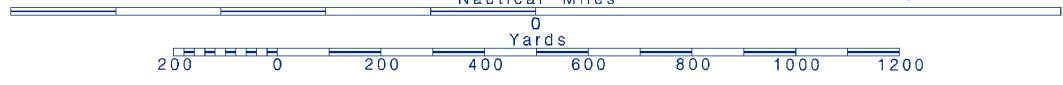
12

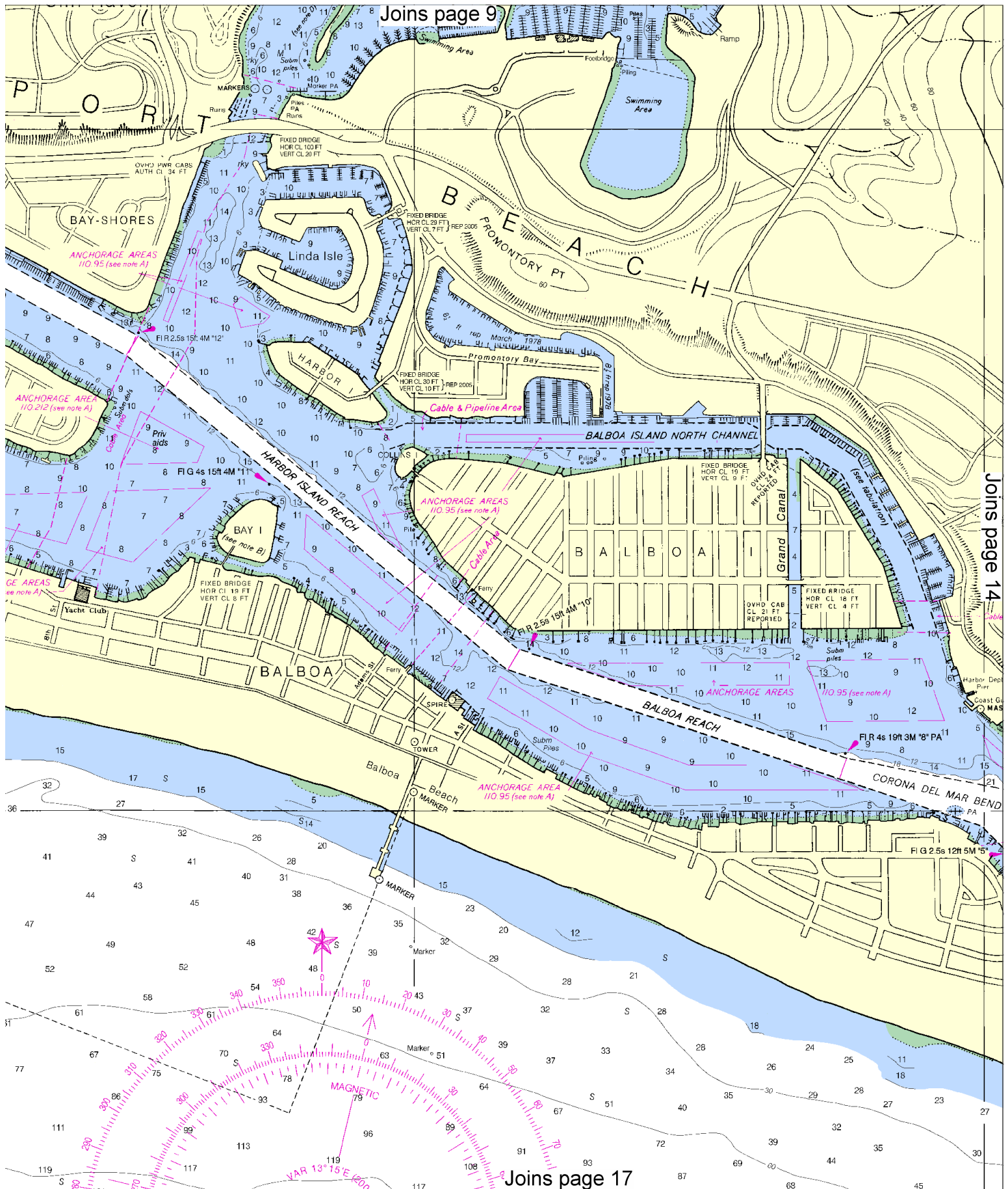


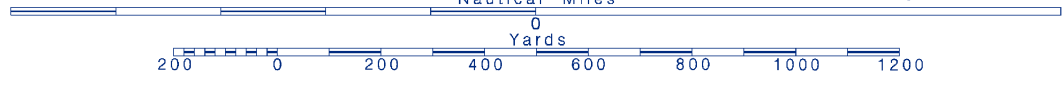
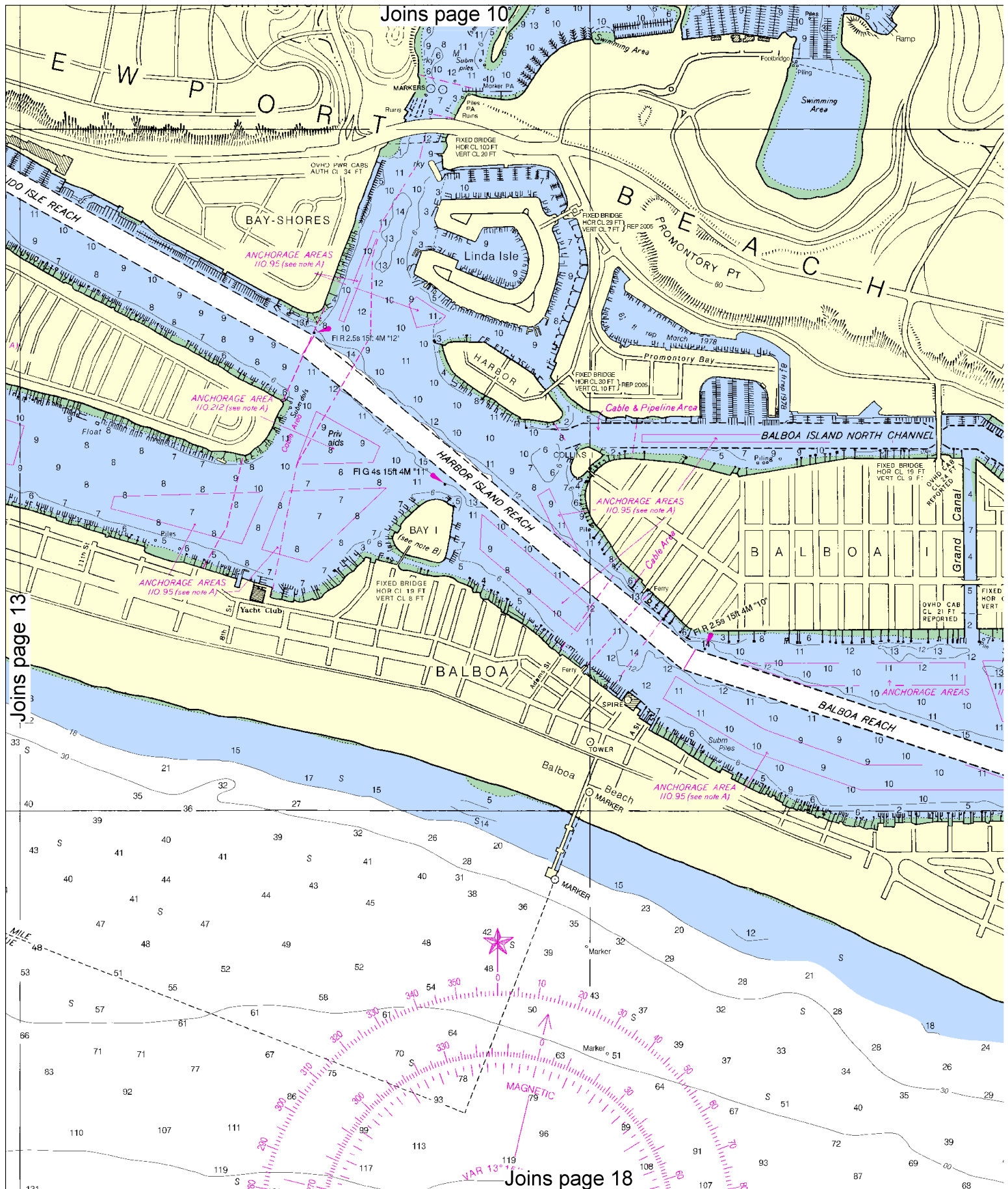
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SCALE 1:10,000

See Note on page 5.

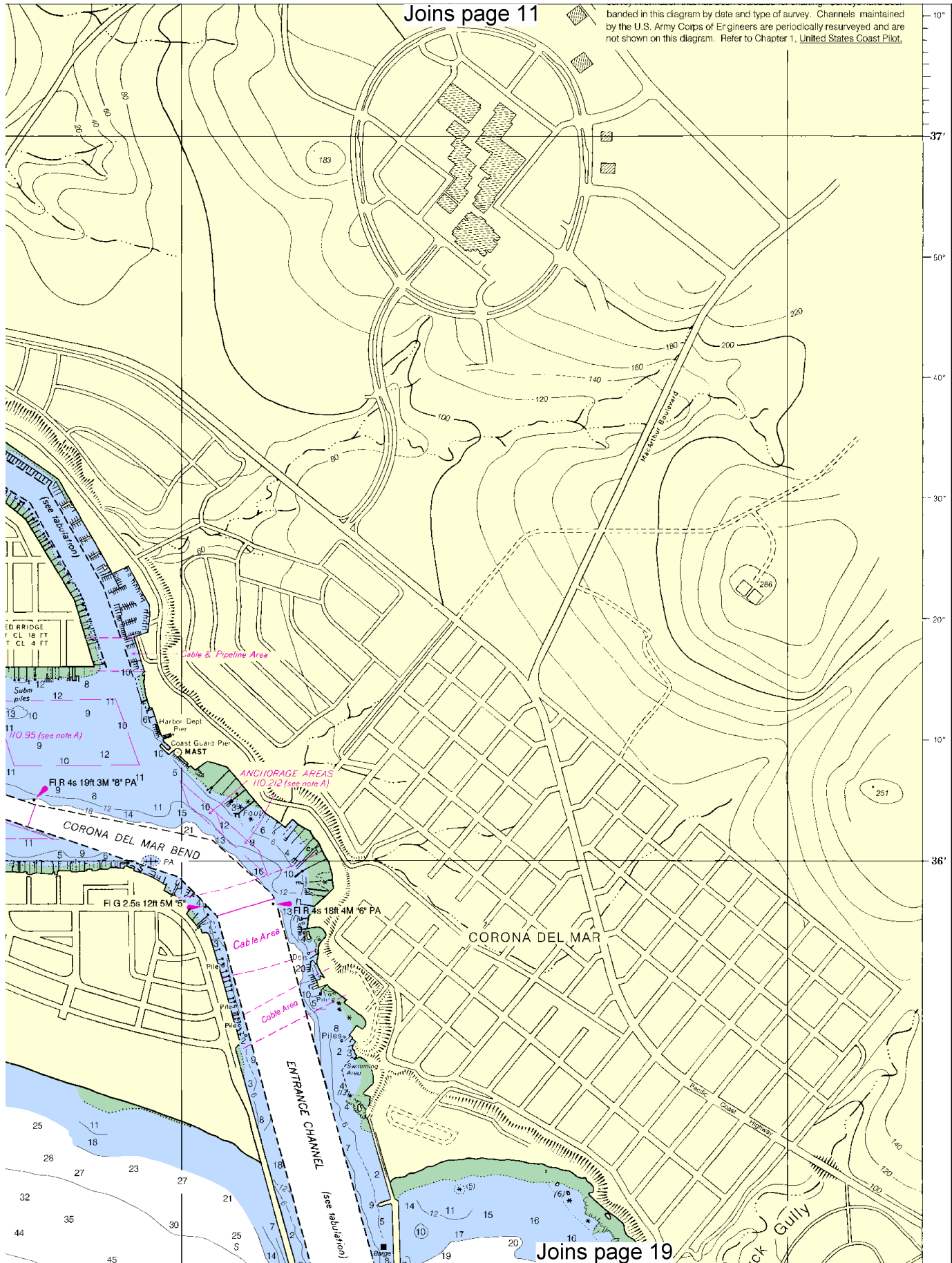






Joins page 11

banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.



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Joins page 12

CONTINUED ON CHART 18745

# SAN PEDRO CHANNEL

33° 35'

117° 55'

17th Ed., Jul / 03 ■ Corrected through NM Jul 05/03  
Corrected through LNM Jun 17/03  
**18754**

**CAUTION**  
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

**SOUNDINGS IN FATHOMS**

**LOGARITHMIC**  
To find SPEED, place one point of dividers on distance run (in any unit) right point on 60 and left point will then indicate speed in units per hour.



37 inches

28 inches

**16**

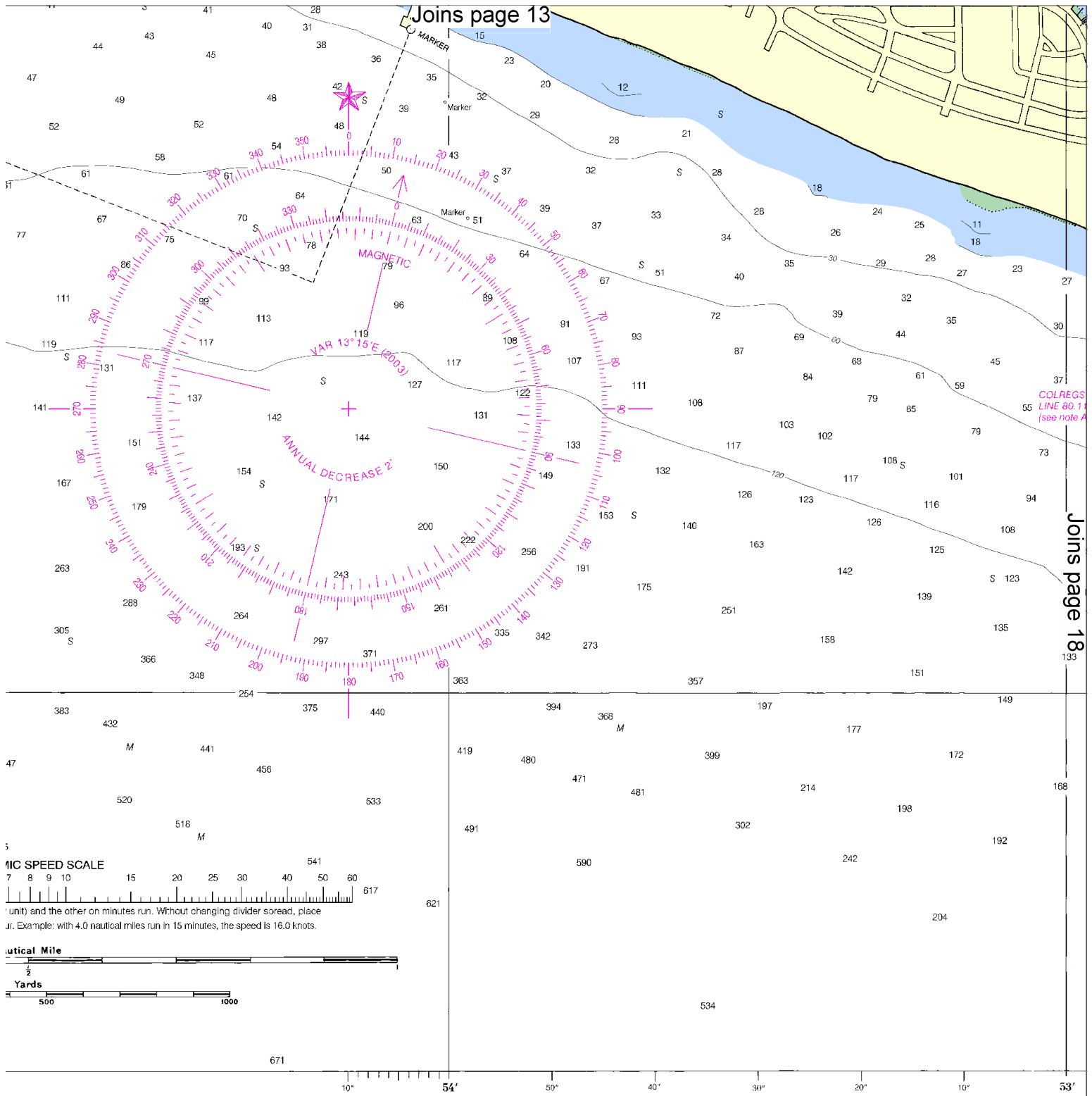


Printed at reduced scale.

SCALE 1:10,000

See Note on page 5.





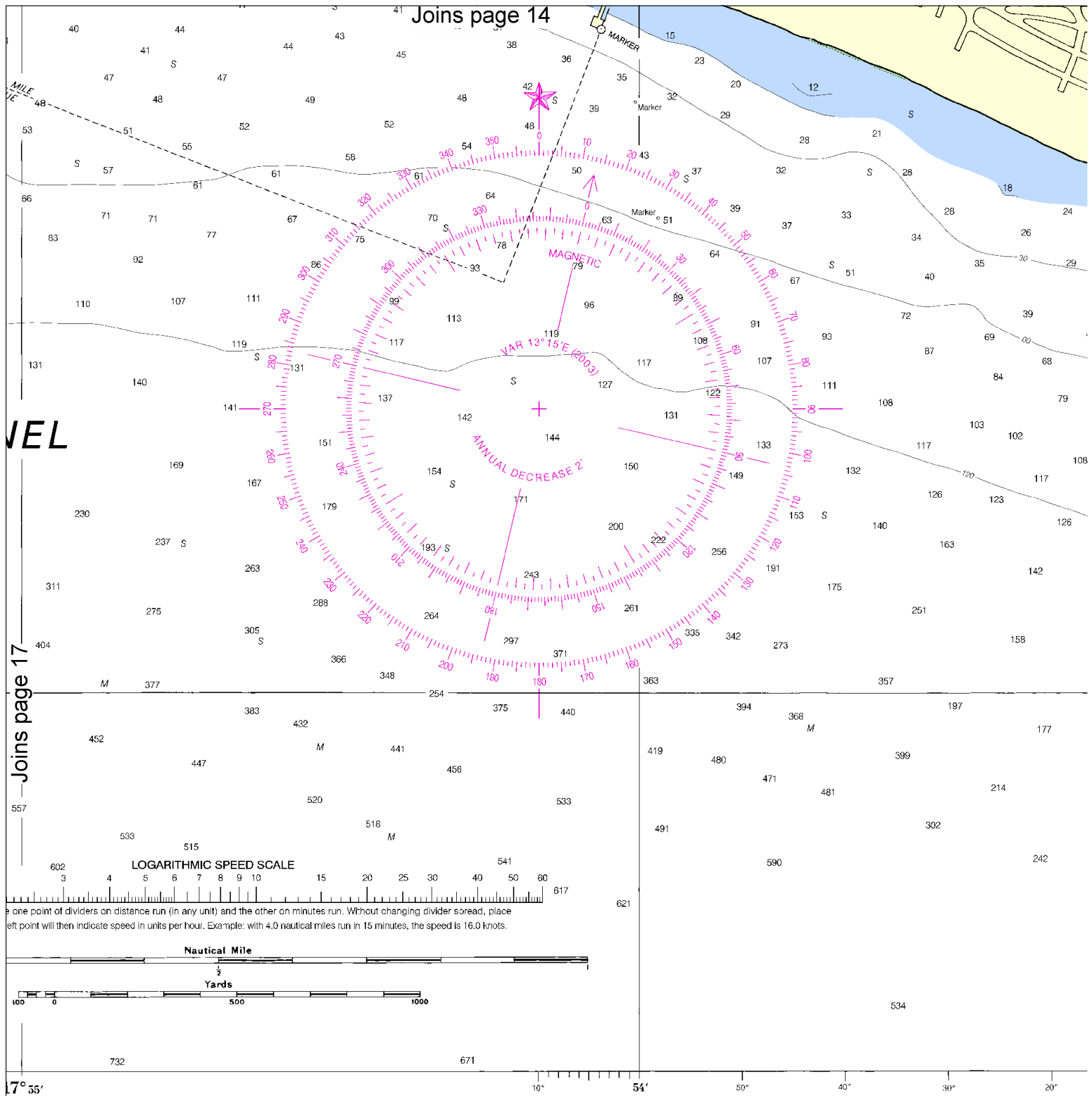
FEET

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10
FEET	6	12	18	24	30	36	42	48	54	60
METERS	1	2	3	4	5	6	7	8	9	10

VEL

Joins page 17



OUNDINGS IN FEET

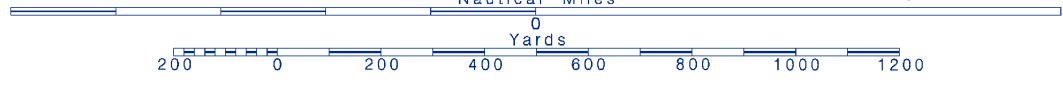
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U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

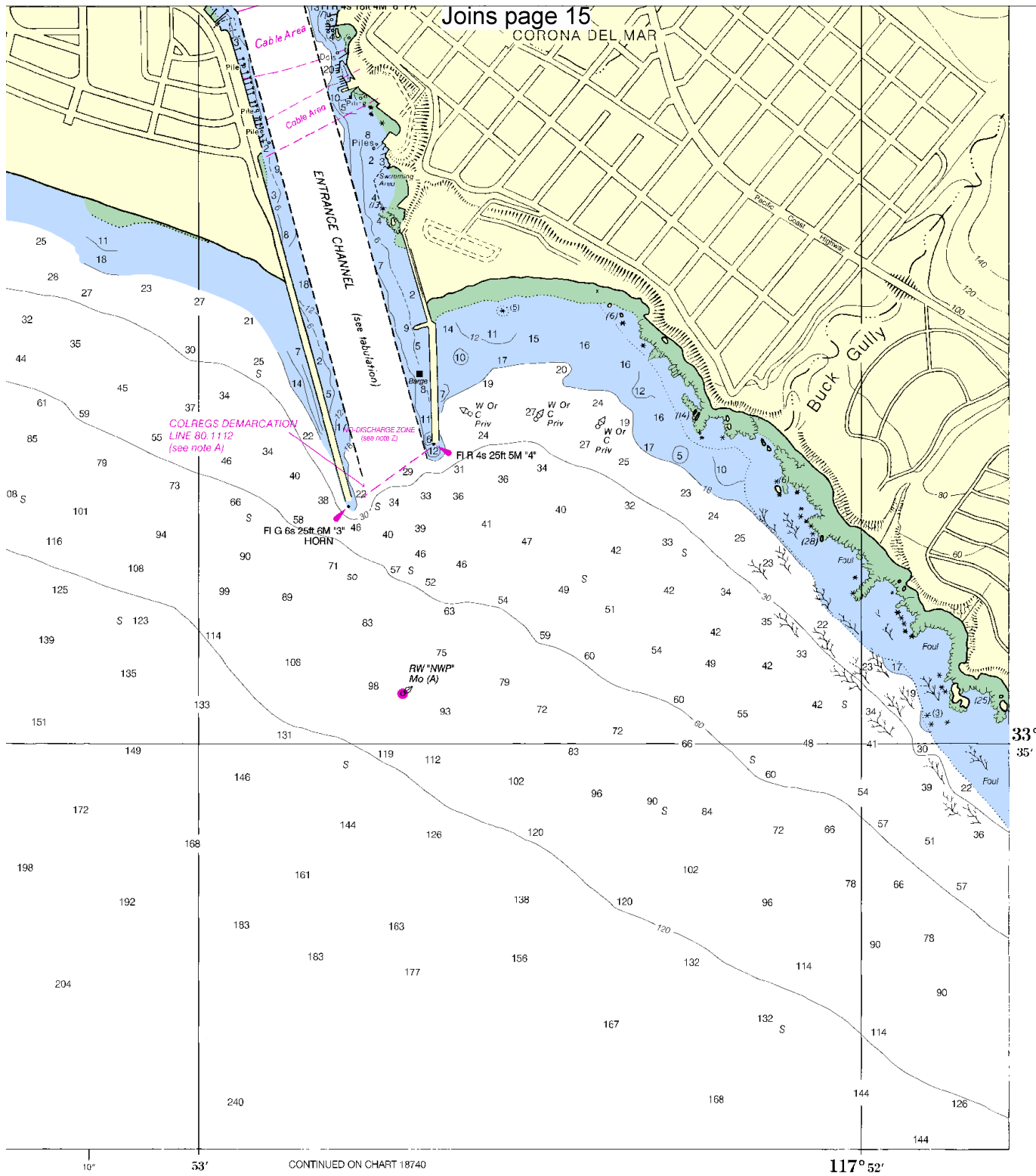
FATHOMS	1	2
FEET	6	12
METERS	1	2

18



Printed at reduced scale. — SCALE 1:10,000 — See Note on page 5.





ED. NO. 17

NSN 7642014011595  
NIMA REFERENCE NO. 18BHA18754

Newport Bay  
SOUNDINGS IN FEET - SCALE 1:10,000

18754

18754

## EMERGENCY INFORMATION

### VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16 – Emergency, distress and safety calls** to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 & 78A** – Recreational boat channels.

### Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

### **HAVE ALL PERSONS PUT ON LIFE JACKETS !!**

**Mobile Phones** – Call 911 for water rescue.

**Coast Guard Search & Rescue** – 510-437-3700

**Coast Guard Los Angeles/Long Beach** – 310-732-2030

**Commercial Vessel Assistance** – 1-800-367-8222

**NOAA Weather Radio** – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

**Getting and Giving Help** – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## NOAA CHARTING PUBLICATIONS

**Official NOAA Nautical Charts** – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Print-on-Demand Nautical Charts** – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at [www.OceanGrafix.com](http://www.OceanGrafix.com).

**Official Electronic Navigational Charts (NOAA ENC<sup>®</sup>)** – ENC<sup>®</sup>s are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENC<sup>®</sup>s comply with standards of the International Hydrographic Organization. ENC<sup>®</sup>s and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Raster Navigational Charts (NOAA RNC<sup>™</sup>)** – RNC<sup>™</sup>s are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNC<sup>™</sup>s comply with standards of the International Hydrographic Organization. RNC<sup>™</sup>s and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official BookletCharts<sup>™</sup>** – BookletCharts<sup>™</sup> are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is [www.NauticalCharts.gov/bookletcharts](http://www.NauticalCharts.gov/bookletcharts).

**Official PocketCharts<sup>™</sup>** – PocketCharts<sup>™</sup> are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

**Official U.S. Coast Pilot<sup>®</sup>** – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official On-Line Chart Viewer** – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is [www.NauticalCharts.gov/viewer](http://www.NauticalCharts.gov/viewer).

**Official Nautical Chart Catalogs** – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

**Internet Sites:** [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov), [www.NOAA.gov](http://www.NOAA.gov), [www.TidesandCurrents.NOAA.gov](http://www.TidesandCurrents.NOAA.gov), [www.NOS.NOAA.gov](http://www.NOS.NOAA.gov).

